

Final Exam Essay Topics Radiologic Science 2

1. What are the methods of controlling scatter radiation?
2. Which method of controlling scatter radiation reduces patient radiation exposure?
What is its mechanism?
3. What is the exposure index in Direct Radiography system in Hostos lab? Define the DR exposure descriptors used to inform technologist about his/her technique accuracy. (EI, TI and DI)
4. What is the exposure index in Computed Radiography system in Hostos lab? Define the CR exposure descriptors used to inform technologist about his/her technique accuracy.
5. What are the common grid errors? How do they manifest themselves on a digital radiograph?
6. What is the function of Bucky mechanism?
7. What factors and how they affect geometric unsharpness?
8. What factors and how they affect magnification?
9. What is the difference between geometric sharpness and visibility of sharpness (detail)?
10. What are the differences between fixed kVp and variable kVp technique charts?
11. What is the difference between contrast resolution and contrast?
12. How can contrast and brightness of an image be controlled in digital radiography?
13. What are advantages of PACS as compared to conventional file room?
14. What is PACS archiving and what are its advantages?
15. Why are imagers (printers) still used in digital radiography?